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## FACSIMILE COVER SHEET

October 12, 2006

Receiver: Examiner Naghmeh Mehrpour (USPTO Central Fax)

FAX #: 571-273-8300

Sender: Mary Deauclaure, Patent Secretary for Elise R. Heilbrunn

Our Ref. No.: CISCP192 / 3281

Application No: 09/752,884

Re: Prior Art previously cited.

Pages Including Cover Sheet(s): 10

### MESSAGE:

- 1 p - Letter to the Examiner
- 2 pp - 1449 filed August 15, 2001
- 1 p - Postcard stamped by PTO on August 17, 2001
- 2 pp - IDS Transmittal filed May 6, 2005
- 1 p - 1449 filed May 6, 2005
- 1 p - Postcard stamped by PTO on May 9, 2005
- 1 p - printout of Image File Wrapper - showing IDS scanned on May 9, 2005

### CONFIDENTIALITY NOTE

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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

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In re application of: Leung, et al.

Attorney Docket No.: CISC192/3281

Application No.: 09/752,884

Examiner: Naghmeh Mehrpour

Filed: December 28, 2000

Group: 2617

Title: SUPPORT MOBILE DEVICE IN  
ASYMMETRIC LINK ENVIRONMENT

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**CERTIFICATE OF TRANSMISSION**

I hereby certify that this correspondence is being transmitted via facsimile to the U.S. Patent and Trademark Office, Attention Examiner Naghmeh Mehrpour, at facsimile telephone number (571) 273-8300 on October 12, 2006.

Signed: \_\_\_\_\_

Mary Deauclaire

**LETTER TO THE EXAMINER**

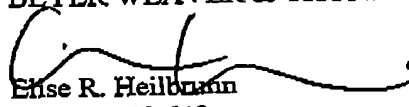
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Madam:

An Information Disclosure Statement was filed on August 15, 2001 in the above-identified application (received August 17, 2001, evidenced by return postcard.) A copy of the PTO Form 1449 is attached for the convenience of the Examiner. All references were signed off on December 11, 2003, with the exception of item C3 (J. Moy, RFC 1247). It appears that the Examiner may have meant to sign off on this reference as well, as it is not crossed out. It is respectfully requested that the Examiner initial and date this reference and return the PTO Form 1449 to Applicants indicating consideration of all the references identified therein.

On May 6, 2005 another Information Disclosure Statement was filed in the above-identified application (received May 9, 2005, evidenced by return postcard.) Applicants have not received the returned PTO Form 1449 from the submission. A copy of this submission is attached herewith for the convenience of the Examiner, along with a printout of the Image File Wrapper showing that the submission and all references were scanned into PAIR. It is respectfully requested that the Examiner return to Applicants an initialed and dated version of this PTO Form 1449 indicating consideration of the references identified therein.

Respectfully submitted,  
BEYER WEAVER & THOMAS, LLP

  
Elise R. Heilbrunn  
Reg. No. 42,649

P.O. Box 70250  
Oakland, CA 94612-0250  
(510) 663-1100

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NO. 531

P. 3

OCT 12 2006



Form 1449 (Modified)	Atty Docket No. <b>CISCP192</b>	Application No.: <b>09/752,884</b>
<b>Information Disclosure Statement By Applicant</b>	Applicant: <b>Lueng, et al</b>	<b>RECEIVED</b> <b>AUG 20 2001</b>
(Use Several Sheets if Necessary)	Filing Date <b>December 28, 2000</b>	
	Group <b>2681</b>	

Technology Center 2600

## U.S. Patent Documents

Examiner Initial	No.	Patent No.	Date	Patentee	Class	Sub-class	Filing Date
<b>NM</b>	A1	4,692,918	09/08/87	Elliott, et al.	-	-	12/17/84
	A2	5,016,244	05/14/91	Massey, Jr., et al.	-	-	09/08/89
	A3	5,018,133	05/21/91	Tsakakoshi, et al.	-	-	09/06/90
	A4	5,218,600	06/08/93	Schenkyr, et al.	-	-	12/26/90
	A5	5,371,852	12/06/94	Attanasio, et al.			10/14/92
	A6	5,473,599	12/05/95	Li, et al.			04/22/94
	A7	5,572,528	11/05/96	Shuen			03/20/95
	A8	5,619,552	04/08/97	Karppanen, et al.			04/19/95
	A9	5,729,537	03/17/98	Billström			06/14/96
	A10	5,825,759	10/20/98	Liu			07/24/95
	A11	5,862,345	01/19/99	Okanoue, et al.			08/15/96
	A12	6,078,575	06/20/00	Dormerty, et al.			06/26/97
	A13	6,195,705	02/27/01	Leung			06/30/98

## Foreign Patent or Published Foreign Patent Application

Examiner Initial	No.	Document No.	Publication Date	Country or Patent Office	Class	Sub-class	Translation	
							Yes	No
	B1							
	B2							

## Other Documents

Examiner Initial	No.	Author, Title, Date, Place (e.g. Journal) of Publication
<b>NM</b>	C1	T. Li, B. Cole, P. Morton, and D. Li, "Cisco Hot Standby Router Protocol (HSRP)," March, 1998, Network Working Group RFC 2281 ( <a href="http://ftp.ietf.org/rfc/rfc2281.txt?number=2281">http://ftp.ietf.org/rfc/rfc2281.txt?number=2281</a> )
<b>NM</b>	C2	Release notes for 3Com Corporation, "Conducting a Redundant Route for Network Resiliency", March 1994, <u>NET Builder Family Bridge/Router</u> , pages 26-29
	C3	J. Moy, RFC 1247 "OSPF Version 2", July 19, 1991
Examiner	Date Considered	
<i>[Signature]</i>	<b>12/11/03</b>	

Examiner: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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-NO. 531

P. 4

OCT 12 2006



Form 1449 (Modified)

Information Disclosure  
Statement By Applicant

(Use Several Sheets if Necessary)

Atty Docket No.

CISCP192

Applicant:

Lueng, et al

Filing Date

December 28, 2000

Application No.:

09/752,884

Group

2681

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AUG 20 2001

## Other Documents

Technology Center 2600

Examiner Initial	No.	Author, Title, Date, Place (e.g. Journal) of Publication
NM	C4	D. Oran, RFC 1142 "OSI IS-IS Intra-domain Routing Protocol", February 1990.
	C5	Uyless Black, "TCP/IP and Related Protocols", 1992, McGraw-Hill, Inc., pages 226-249.
	C6	Chambliss, et al., "Home Agent Redundancy Protocol (HARP)", October 27, 1997.
	C7	Networking Working Group, RFC 2002 "IP Mobility Support", October 1996.
Examiner	Date Considered	
NM/10/03	12/11/03	

Examiner: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

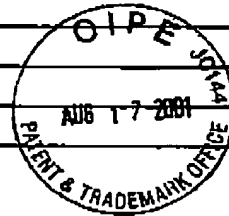
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Docket #	CISCP192	By:	ERH/yb	Date of this mailing:	August 15, 2001
Appl'n #:	09/752,884	Filing Date:	12/28/00	Express Mail #	N/A
Inv(s)	Leung, et al				
Title:	SUPPORT MOBILE DEVICE IN ASYMMETRIC LINK ENVIRONMENT				

The following have been received in the U.S. Patent Office on the date stamped hereon:

Item	Description	# Pgs
1.	Information Disclosure Statement w/certificate of mailing	1
2.	PTO Form 1449 w/20 references cited	2
3.	Copies of twenty (20) cited references	
4.		
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Received

OCT 12 2006

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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

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In re application of: Kent K. Leung, et al.

Attorney Docket No.: CISC192 / 3281

Application No.: 09/752,884

Examiner: Mehrpour, Naghmeh

Filed: December 28, 2000

Group: 2686

Title: SUPPORT MOBILE DEVICE IN  
ASYMMETRIC LINK ENVIRONMENT**CERTIFICATE OF MAILING**

I hereby certify that this correspondence is being deposited with the U.S. Postal Service with sufficient postage as first-class mail on May 6, 2005 in an envelope addressed to the Commissioner for Patents, P.O. Box 1450 Alexandria, VA 22313-1450.

Signed: \_\_\_\_\_

  
Mary Deauchaïne**INFORMATION DISCLOSURE STATEMENT  
BEFORE FINAL ACTION OR NOTICE OF ALLOWANCE  
(37 CFR §§ 1.56 AND 1.97(c))**

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

The references listed in the attached PTO Form 1449, a copy of which is attached, may be material to examination of the above-identified patent application. Applicants submit this reference in compliance with their duty of disclosure pursuant to 37 CFR §§1.56 and 1.97. The Examiner is requested to make this citation of official record in this application.

This Information Disclosure Statement is not to be construed as a representation that a search has been made, that additional information material to the examination of this application does not exist, or that this reference indeed constitutes prior art.

This Information Disclosure Statement is being filed after the mailing date of the first Office Action on the merits, or after three months of the filing date of this application, whichever event occurred last, but it is believed before the mailing date of either: (i) a final action under §1.113 or (ii) a notice of allowance under §1.311, whichever occurs first.

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Accompanying this Information Disclosure Statement is

- ☐ a statement as specified in 37 CFR 1.97(e); or
- ☒ the fee set forth in 37 CFR 1.17(p).

If fees are due, enclosed is our Check No. 10603 for \$180.00 in payment of the Information Disclosure Statement Fee. If it is determined that any additional fees are due, the Commissioner is hereby authorized to charge such fees to Deposit Account 500388 (Order No. CISC192).

Respectfully submitted,  
BEYER WEAVER & THOMAS, LLP



Elise R. Heilbrunn  
Registration No. 42,649

P.O. Box 70250  
Oakland, CA 94612-0250  
(510) 663-1100

<b>Form 1449 (Modified)</b>  <b>Information Disclosure Statement By Applicant</b>	<b>Atty Docket No.:</b>	<b>Application No.:</b>
	CISCP192 / 3281	09/752,884
	<b>Applicant:</b>	
	Kent K. Leung, et al.	
	<b>Filing Date:</b>	<b>Group:</b>
	December 28, 2000	2686

**U.S. Patent Documents**

Examiner Initial	No.	Patent No.	Date	Patentee	Class	Sub- class	Filing Date
	A1	5,572,582	11/05/96	Riddle			02/24/95
	A2	6,512,754 B2	01/28/03	Feder et al			08/24/98
	A3	6,731,621 B1	05/04/04	Mizutani et al			03/03/99
	A4	6,747,961	08/08/04	Ahmed et al			04/11/00
	A5	6,738,362	05/18/04	Xu et al			07/16/99

**Foreign Patent or Published Foreign Patent Application**

Examiner Initial	No.	Document No.	Publication Date	Country or Patent Office	Class	Sub- class	Translation	
							Yes	No
	B1	03/043226 A1	05/22/03	WO				

**Other Documents**

Examiner Initial	No.	Author, Title, Date, Place (e.g. Journal) of Publication
	C1	K. Leung et al, <i>U.S. Patent Application No. 10/141,600, filed May 7, 2002, "Methods and Apparatus For Supporting IP Multicast For a Mobile Router,"</i> Atty Docket No. CISCP246
	C2	K. Leung, <i>U.S. Patent Application No. 09/746,409, filed Dec. 20, 2000, "Dynamic Network Allocation For Mobile Router,"</i> Atty Docket No. CISCP173
<b>Examiner</b>		<b>Date Considered</b>

Examiner: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



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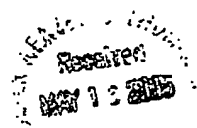
Docket #	CISCP192 / 3281	By:	ERH/md	Date of this mailing:	May 6, 2005
App'l'n #:	09/752,884	Filing Date:	12/28/00	Express Mail #	n/a
Inventor(s)	Leung, et al				
Title:	SUPPORT MOBILE DEVICE IN ASYMMETRIC LINK ENVIRONMENT				

The following have been received in the U.S. Patent Office on the date stamped hereon:

Item	Description	# Pgs
1.	Information Disclosure Statement (with Certificate of Mailing)	2
2.	PTO Form 1449 with 8 references cited	1
3.	Copies of eight (8) cited references	
4.	Check No. 10603 in the amount of \$180.00	
5.		
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BEYER WEAVER & THOMAS, LLP
SEEN/CONFIRMED
BY DOCKETING DEPT.
DATE: 5/18/05 BY: km



CISCP192

09/752884

This application is officially maintained in electronic form. To View: Click the desired Document Description. To Download and Print: Check the desired document(s) and click Start Download.

**Available Documents**

Mail Room Date	Document Description	Document Category	Page Count
10-05-2006	Amendment after Notice of Allowance (Rule 312)	PROSECUTION	2
10-05-2006	Claims	PROSECUTION	6
10-05-2006	Applicant Arguments/Remarks Made in an Amendment	PROSECUTION	5
09-20-2006	Notice of Allowance and Fees Due (PTOL-85)	PROSECUTION	3
09-20-2006	Notice of Allowance and Fees Due (PTOL-85)	PROSECUTION	5
09-20-2006	Examiner Interview Summary Record (PTOL - 413)	PROSECUTION	2
09-20-2006	List of References cited by applicant and considered by examiner	PROSECUTION	1
09-20-2006	Issue Information including classification, examiner, name, claim, renumbering, etc.	PROSECUTION	1
09-20-2006	Index of Claims	PROSECUTION	1
09-20-2006	Search information including classification, databases and other search related notes	PROSECUTION	3
09-20-2006	Bibliographic Data Sheet	PROSECUTION	1
09-17-2006	Examiner's search strategy and results	PROSECUTION	1
07-20-2006	Information Disclosure Statement (IDS) Filed	PROSECUTION	4
07-06-2006	Non-Final Rejection	PROSECUTION	13
07-06-2006	List of references cited by examiner	PRIOR ART	1
07-06-2006	Search information including classification, databases and other search related notes	PROSECUTION	2
07-06-2006	Bibliographic Data Sheet	PROSECUTION	1
07-06-2006	Index of Claims	PROSECUTION	1
01-03-2006	Fee Worksheet (PTO-875)	PROSECUTION	1
01-03-2006	Amendment - After Non-Final Rejection	PROSECUTION	1
01-03-2006	Claims	PROSECUTION	6
01-03-2006	Applicant Arguments/Remarks Made in an Amendment	PROSECUTION	6
01-03-2006	Transmittal to TC	PROSECUTION	1
10-03-2005	Non-Final Rejection	PROSECUTION	13
10-03-2005	Index of Claims	PROSECUTION	1
10-03-2005	Search information including classification, databases and other search related notes	PROSECUTION	1
10-03-2005	Bibliographic Data Sheet	PROSECUTION	1
07-18-2005	Fee Worksheet (PTO-875)	PROSECUTION	1
07-18-2005	Amendment Submitted/Entered with Filing of CPA/RCE	PROSECUTION	1
07-18-2005	Claims	PROSECUTION	5
07-18-2005	Applicant Arguments/Remarks Made in an Amendment	PROSECUTION	5
07-18-2005	Request for Continued Examination (RCE)	PROSECUTION	2
05-20-2005	Final Rejection	PROSECUTION	12
05-20-2005	List of References cited by applicant and considered by examiner	PRIOR ART	1
05-20-2005	Index of Claims	PROSECUTION	1
05-09-2005	Information Disclosure Statement (IDS) Filed	PROSECUTION	3
05-09-2005	Foreign Reference	PRIOR ART	22
05-09-2005	NPL Documents	PRIOR ART	32
05-09-2005	NPL Documents	PRIOR ART	41
11-24-2004	Fee Worksheet (PTO-875)	PROSECUTION	1
11-24-2004	Amendment - After Non-Final Rejection	PROSECUTION	1
11-24-2004	Claims	PROSECUTION	5
11-24-2004	Applicant Arguments/Remarks Made in an Amendment	PROSECUTION	5

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